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OUTDOOR EDUCATION ACTIVITY PAGES

Teachers handbook with easy and fun outdoor activities





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Bingo (Scavenger hunt in the yard)

Steps 🕹

- 1 Create a bingo page about things children can find in the yard depending on the season.
- 2 Print out the page and place it on the writing board.
- 3 Hand out children the bingo pages. Set the writing boards with bingo pages on the ground. Hand out pencils to children.
- 4 Give children assignment to find as much things as possible on the bingo page from the yard. If children find a item then they will make a cross on the box of that item on bingo board.

- bingo page
- a pencil
- and writing



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Boat race

Steps 🕹

- 1 Give children a piece of paper and scissors. Let them cut out a triangle shaped sail. Let children decorate the sail with pencils.
- 2 With the help of grownup put the toothpick through the sail. And after that let children insert the toothpick with sail inside the sponge.
- **3** Pour water to the container.
- 4 Give children straws and let them race the boats by blowing air to the sail with straw to create wind.

- paper
- scissors
- pencils
- toothpicks
- sponge
- water
- container



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Camp fire bread

Steps 🕹

- **1** Prepare with children a yeast dough.
- 2 Search for tree branches and prepare a clean stick out of it with knife.
- 3 Take a little dough and roll a dough worm out of it. Screw the dough worm arount the top of the stick.
- 4 Cook the dough on a stick on the campfire until the bread is ready and golden brown.

- yeast dough
- knife
- branch
- camp fire



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Number learning

Steps 🕹

- **1** Divide children into pairs.
- 2 Draw on the asphalt boxes with numbers.
- 3 Children discuss what are the numbers written inthe boxes.
- Children find natural materials and add to every box the same number of items what number is written there.

- asphalt square
- chalk
- natural materials



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Plantable seeds recycle paper

Steps 🕹

- 1 Gather recyclable paper. Tear paper into strips. Put the strips into blender.
- 2 Pour in warm water. Blend the mass into a smooth pulp.
- **3** Stir in seeds. Strain the mass.
- 4 Spread the mass pulp, then flatten and let dry.
- **5** Water the paper regularly and enjoy the flowers.

- recyclable paper (old newspapers)
- blender
- water
- seeds



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Sand art

Steps 🕹

- **1** Put a stripe of two-sided tape on the paper.
- 2 Give children the taped paper.
- **3** Give children assignment to find different natural materials to create picture. Tape the materials on the tape (flowers, grass, sticks, moss aso).
- 4 Cover the rest of the tape with thin layer of sand.

- carton paper
- two-sided tape
- natural materials



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Snow volcano

Steps 🕹

- 1 Take a empty platic bottle and build a volcano out of snow surrounding the plastic bottle. Leave the top out.
- 2 Put inside the bottle baking soda and foodcolor.
- **3** Add vinegar to the bottle.
- 4 Step away and enjoy the volcano.

- snow
- plastic bottle
- food color
- baking soda
- vinegar



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Sudoku

Steps 🕹

- **1** Divide children into teams.
- **2** Draw a Sudoku game board to the asphalt.
- 3 Choose sveral natural materials (rocks, cones, sticks aso.) and create patterns.
- 4 Children continue in turns the pattern until the board is filled.

- asphalt square
- chalk
- natural materials



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Tug-of-war

Steps 🕹

- **1** Divide children into **2** teams.
- 2 Take a long thick rope and place teams on both ends of the rope.
- 3 On teachers signal both teams start to pull the rope.
- 4 Winner is the team who will remain standing.

What you'll need:

• a long thick rope



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Learning to navigate



- **1** Make sure you're in a clear level spot.
- 2 Place a stick or branch in the ground.
- **3** Mark the tip of the shadow with pebbles or ribbon.
- 4 Wait about 15 minutes, then mark the tip of the shadow again (it will have moved).

- a stick or branch
- pebbles or ribbon



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Activity wall on the window

Steps 🕹

- **1** We stuck a large adhesive film on the window.
- 2 We glued the materials as well as the cotton on the gluing surface.
- **3** We create a winter landscape.

- a large gluing adhesive film
- materials from nature such as twigs, pine needles and small oils
- cotton



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What you'll need:

• newspapers

paper tapes

Life - size building blocks



- 1 We wrap each page of the newspaper in a roll.
- 2 We join the newspaper rolls with the paper tape.

KPONIKA

3 We build our house.

Decoration with sand

Steps 🕹

- **1** Sieve the sand to clean it.
- **2** Spread the atlakol all over the glass jar.
- **3** Pour sand on top.
- 4 Let it dry.
- **5** Decorate the jar with the shells using glue.



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What you'll need:

- a glass jar
- sand
- atlakol
- shells
- glue

A 1



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Biological insecticide

Steps 🕹

- **1** We fill the plastic bottle with the water.
- 2 We rub the soap and we add it to the water.
- **3** We add the rest of the ingredients.
- 4 We close the bottle and we mix the mixture.

- a glass of water
- a spoonful of olive soap
- some garlic powder
- few mint leaves
- a small plastic bottle



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Road race with the water

Steps 🕹

- **1** We divide the children into two groups.
- 2 Each group has a basin filled with water, an empty basin and one plastic cup.
- 3 One child from each group runs to fill water from the filled basin and empty it into the empty basin.
- 4 The winning team is the one that empties the basin first.

- for two teams, we need two basins filled with water
- two empty basins
- 2 plastic cups



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Balance with natural materials

Steps 🕹

- 1 We fix the nests on the paper plates.
- 2 We tie the nests with rope to a long branch.
- **3** We put different materials in the nests and weigh them.

- 2 nests
- paper plates
- rope
- natural materials (pine cones, leaves, twigs)
- branches



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Symmetry with natural materials

Steps 🕹

- **1** We collect some natural materials.
- 2 We place the small mirror in the middle of material and we check if the two sides are symmetrical.

- natural materials (pine cones, leaves, chestnuts)
- small mirror

approach"

Playing on glass water bottles



- We fill the bottles with different amount of water (gradual).
- (Optional) we paint the water with different colors.
- 3 We arrange the bottles according to the amount of water in them (graduated).
- 4 We hit the bottle with the wooden stick and that's how we get the sound.



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- glass bottles
- a wooden stick
- water





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Catching fish (balls) with hoops

Steps 🕹

- Tie the hoop with one end of the rope, and hold the other end and pull the thrown hoop with it.
- 2 Children compete in a line, which will catch more balls (fish) throwing the hoop to the ball in front of them on the ground "in the sea".
- **3** The winner is the child with the most balls caught (fish).

- balls
- hoops
- rope



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Creating a canopy tree



1 When we are somewhere outside in nature, a park, or a forest. We lay leaves on a bare branch of a tree and talk about what kind of tree we want to form. We classify it as deciduous or evergreen.

- tree branch
- tree leaves



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The game "X - dot" in nature

Steps 🕹

- **1** The game has two participants.
- 2 The sticks are arranged two by one in parallel, over each other.
- 3 Each of the participants receives 4 stones or leaves, which they then place in the corresponding fields of the sticks.
- 4 Alternately, one by one the children put the stones or leaves into the fields of the sticks.
- 5 The winner of the game is the first to make a line of three identical elements.

- 4 sticks
- 4 pebbles
- 4 leaves of wood



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Heart for MOM

Steps 🕹

- 1 The children forge the nails on the tree in the shape of a heart.
- 2 The thread is tied to one of the nails and alternately passed through the rest of the nails, until the space between them is filled.
- 3 At the end, the thread is tied so that the thread does not unravel.

- a piece of wood with one flat side
- small nails
- colored thread
- a tool for hammering nails, or maybe a stone



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Decorations made of ice and natural materials

Steps 🕹

- 1 We collect various natural materials (herbs, leaves, flowers, twigs...) from nature, and arrange them in the bowl.
- **2** Put both ends of the string in the bowl.
- **3** We fill the container with water.
- We put the container at minus temperature, so that the water turns into ice.
- 5 After the water freezes, we take the ice out of the container and hang it outside as a decoration.

- shallow water bowl
- cord
- water
- natural materials (herbs, flowers, twigs...)
- minus temperature to freeze the water



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An exploration game with exploration, observation, and color detection



1 Magnifiers are made from cardboard for children, which have a certain color on them. According to the color of the peel, the child explores in nature and looks for an appropriate comprasion.

- cardboard
- crayons



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Switch places

Steps 🕹

- The two children stand at a certain distance from each other, holding the stick with one hand (in a vertical position, resting on the ground).
- 2 At a given signal, at the same moment, the children should change their places, with great speed, so that the sticks do not fall, while the children change places.

- two sticks (the size of children's height)
- enough space for children to move around



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Summer game: Piñata with water balloons

Steps 🕹

- **1** We fill the water balloons with water.
- We hang them at a suitable height.
- **3** The child hits the balloons with a stick.
- 4 If it hits them, the water splashes around.

- water balloons
- tying string
- wand
- water



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Lemonade with mint and strawberries from our garden

Steps 🕹

- **1** Collect the mint and strawberries.
- **2** Wash the strawberries and mint.
- **3** Cut everything up and add to the jug.
- 4 Add water and enjoy.

- mint
- strawberries
- water
- knife
- jug
- cutting board

Ecological vertical garden



- 1 Make holes in the lower part of the bottle and two on the side.
- 2 Put the cable tied through the holes in the side of the bottle.
- **3** Put the garden soil in the bottle and put the flower.
- 4 Hang the pot anywhere you want and water the flower.



- the bottom of the bottle
- flower
- garden soil
- soldering iron
- cable tie

Color foam picture

Steps 🕹

- Mix the water and the washing-up liquid in a jug.
- 2 Pour the solution into cups and add the paints.
- 3 On large sheets of paper, blow colored foam through the straw.



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- water
- straws
- dish soap
- paints
- large cards
- cups
- jugs



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How not to get lost in the woods

Steps 🕹

- **1** Find some sticks, Stones, cones around you.
- 2 Arrange the marks on the ground.

- whatever you will find around you
- rocks
- sticks
- cones
- acorns
- leaves
- chestnuts



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Camera

Steps 🕹

- 1 Draw the template for the camera with a pencil.
- 2 Cut it out.
- **3** Take photos of the plants in the garden.

- scissors
- cardboard
- pencil
- camera template



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Laying the rhythm



- 1 Think of the rhythm you want to create or what you hear from the other person.
- 2 Arrange the rhythm: chestnut, pine cone, stone.
- 3 Continue arranging it until you run out of pieces.
- 4 Check if you put it right.

What you'll need:

 everything you will find around you: pebble, pine cone, chestnut, acorn, stick



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Eco detectives

Steps 🕹

- 1 Children play the game Eco detectives on a cleaning mission.
- 2 They have to spot all the litter on their walk around the kindergarten.
- 3 They have to put the litter into appropriate bags according to their use. They have to divide them into plastic, paper, glass and mixed litter.
- In the end they take the bags into a recycling center.

- rubber gloves
- plastic bags



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Forest beginning sounds

Steps 🕹

- 1 A teacher or children prepare the cards with the letters written on them.
- 2 Children go to the forest, park or playground and try to find the natural materials starting with the beginning sound written on the cards.
- **3** They place the materials next to the beginning sound.
- 4 They can do this activity alone, in pairs or groups.

- paper/cardboard
- felttips
- natural materials



The BULL ST ANY

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Forest collection

Steps 🕹

- 1 Each of the children chooses 10 small photographs of objects from nature, the forest and its outskirts.
- 2 They stick the photographs in an empty cardboard egg carton.
- 3 Then they search for the objects in the photographs on the way to the forest and in the forest.
- 4 When they find the objects, they place them in the appropriate place in the egg carton.
- 5 In the end, they take their forest collections home.
- 6 If any of the children do not not find all the objects, their parents can help them.

- egg cartons
- small printed photographs of object from the nature or natural materials
- natural material or objects gathered in the nature



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Forest shades

Steps 🕹

- A teacher sticks the coloured papers/ cardboards in different shades to an A4 or A3 cardboard thus making a palette of colours in different shades.
- 2 (Optional) A teacher can laminate the palette so that it can be used many times since the forest ground can be wet.
- 3 Children go for a walk to the forest, park or playground where they search for natural materials in the shades on the colour pallete.
- 4 They finish the activity when they find the material in all colour shades.

- A4 or A3 cardboard
- small coloured papers/cardboards in different shades
- glue
- scissors
- natural material gathered from the nature
- laminator (optional)
- laminating pouches (optional)



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Handmade paper from recycled materials

Steps 🕹

- 1 Shred the old newspapers or other types of paper into small pieces and put them into a plastic container/storage tub. Add some water. Soak your paper for a few hours or overnight.
- **2** Put the mixture of water and shredded pieces of paper into a blender and blend it. Keep blending until it's a pulp.
- 3 Add some more water into a tub and stir it up.
- 4 Dip the frame to the bottom of the vat and scoop up, holding the frame horizontally.
- 5 As you lift it out of the slurry, give it a quick shake back and forth, and left to right to align the fibers and make a more uniform sheet. Stop shaking before the sheet is fully drained.
- 6 Let the water drain to a drip, then place a piece of felt on the frame and gently press excess water from the slurry.
- 7 In one smooth motion, place the frame face down (felt down) on a flat surface, gently press down on the screen with a sponge , and then lift the frame from that initial edge.
- 8 Find a flat, non-porous surface smooth wood boards or plexiglass and take your wet sheet on a felt and gently press onto the flat surface. Make sure the edges are pressed down well.
- 9 Let the paper dry (1-3 days depending on humidity levels and thickness of the paper).
- **10** Peel it off. Use it for drawing, scrapbooks, invitations or cards,...

- newspapers/scrap paper for recycling
- plastic container/ storage tub
- a kitchen blender
- wooden frames with mesh/a screen attached to a frame
- water
- a sponge
- a soup spoon
- felt/cloth or other absorbent material



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Mathematical Easter egg hunt

Steps 🕹

- 1 Children can draw and colour the Easter eggs with the corresponding numbers and dots on the paper or cardboard. (Optional – a teacher can print out the Easter eggs)
- 2 (Optional) A teacher laminates the Easter eggs and cuts them out into two halfs.
- 3 A teacher sticks the Easter chocolate eggs with the tape on all the halves of the paper Easter eggs with the dots.
- 4 A teacher hides these halves with the Easter chocolate eggs on the playground or in the park beforehand.
- 5 A teacher distributes the other halves of paper/cardboard Easter eggs with the numbers on it to the children.
- Children have to find their halves of the paper/ card- board Easter eggs with the chocolate Easter eggs. When they find them, they show them to the teacher and then they can eat the chocolate Easter eggs.

- Easter chocolate eggs
- adhesive tape
- paper
- crayons
- paper/cardboard Easter eggs cut into two halfs (one half has a number written on it and the other half has the corresponding number of dots)
- laminating pouches (optional)
- laminating machine (optional)

Natural flower paintings



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What you'll need:

- different sorts of flowers
- paper
- rubber gloves (optional)
- glue
- 2 heavy books
- tempera paints different colours

Steps 👽

- 1 Children gather different flowers in the meadow.
- 2 Option 1: They can use fresh flowers to paint with them on the paper.
- 3 Option 2: Children can press the flowers between the two books and wait until they become dry and then they can glue them on the paper to create beautiful nature pictures.
- 4 Option 3: Children can use the flowers to make prints with tempera paints on the paper.



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Recycled flower pots

Steps 🕹

- 1 A teacher cuts the old plastic bottles into a desired shape (e.g. in this case a cat) thus forming a flower pot.
- 2 Children paint the plastic bottles with acrylic paint into a desired motive.
- **3** Children put the soil into the pot.
- 4 They put the seeds in the soil and water the soil.
- **5** Then they observe the seeds while growing.

- old plastic bottles
- acrylic paints
- paintbrushes
- scissors
- soil
- flower seeds



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Tree clay faces

Steps 🕹

- **1** Each child chooses a tree.
- 2 Then they make faces from clay and natural material gathered in the nature on the tree bark.

- clay
- natural material or objects gathered in the nature



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Windows into nature



- 1 A teacher sticks the PVC self-adhesive transparent foil on the plastic/wooden hoop to form a window.
- 2 Children take the hoops into the forest, park or playground where they search for natural materials and they stick them on the foil to form beautiful windows into nature.

- plastic or wooden hoops
- PVC self-adhesive transparent foil
- natural material gathered from the nature



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Let's Make a Worm Observatory

Steps 🕹

- **1** First add the sand, then the soil into the box.
- 2 Put the leaves in the box for the worms to eat.
- **3** Put the worms in to the box.
- **4** Observe the paths of the worms.

- a transparent box
- leaves
- sand and soil
- worms



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Find Your Tree

Steps 🕹

- 1 One of the two children's eyes are covered with an eye bandage.
- 2 The child with open eyes holds the other child's hand and take him/her to a tree.
- 3 The child with bandage eye, touches and feels tree with hands.
- 4 The two children return to the starting point. The child with the bandage on his eye takes off the bandage and tries to find his/her tree.

- eye bandage
- trees



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Make a Bird Feeder



- 1 Spread peanut butter on a toilet paper roll with a spatula.
- **2** Then the roll is dipped in bird food.
- 3 The bird feeder is hung on a tree or high and is observed from time to time.

- toilet paper roll
- peanut butter
- a spatula
- bird food



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Carrying Balls in Water With Feet

Steps 🕹

- 1 The children sit side by side on their chairs and every child has a box of water.
- **2** Plastic balls are placed in first child 's box.
- First child carries the balls to second one's box with his/her feet.
- 4 The balls continue to be moved one by one with the children's feet.

- boxes and chairs for every child
- plastic balls
- water

Growing Plants in a Pet Bottle

Steps 🕹

- 1 The backs of the bottles are cut off.
- 2 Plant seedlings are placed in to the bottle and plant soil is filled into it.
- 3 The bottle is hung upside down on a tree or high place and watered daily.
- 4 After a while, it is observed that the plants change direction and grow upwards.



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- pet bottles
- rope
- plant seedling



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Draw shadows activity

Steps 🕹

- 1 Toy animals are placed on the papers on a sunny day.
- **2** Talk about the direction and size of shadows.
- 3 The shadows of the animals are drawn on paper and painted.

- carton paper
- two-sided tape
- natural materials



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> A HŞI ETIN AMFIMIZ VAR DÜL YA YI DOL ŞTIĞIMIZ ALAN

AMA TADINA BAKMAYALIM

Areas of our school yard – Riddle game

Steps 🕹

- Hang riddles about the sections in your school yard in certain areas of your garden.
- 2 Take the students to the starting point and read the first riddle.
- 3 When the children find the area where the riddle is written, continue the game by reading the other riddle in that area.

KAYAÇLARIN EN UFAK HALİ BAHÇEMİZDE ALMIS VERİNİ

What you'll need:

 cards with riddles about the areas of the school yard



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Acorn Planting

Steps 🕹

- 1 Fill a bowl with cold water and place the acorns in it and leave them overnight.Viable acorns will sink or remain at the bottom and damaged or empty ones will float. Discard the floating acorns.
- 2 Fill the pots with soil and place acorns in each pot.
- 3 Keep the soil moistand watch acorns sprout out over time.

- acorns
- jar
- water
- soil
- pot